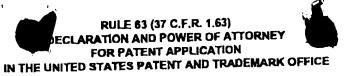
RULE 63 (37 C.F.R. 1.63) DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is fisted below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

the specification of which (check a	pplicable pox(e)).				
is attached hereto	• •				
is attached hereto was filed on		as U.S. Application Serial I		18/12/1999	
Was filed as PCT internation	nal application No.	PCT/GB99/04260	on	10/12/1999	
and (If applicable to U.S. or PCT a	pplication) was amended on	05/01/2001			
I hereby state that I have reviewed amendment referred to above. I a 37 C.F.R. 1.56. I hereby claim for below and have also identified bel priority is claimed or, if no priority i Priority Foreign Application(s): Application Number 9827944.1	cknowledge the outy to disclosely eigh priority benefits under 35 to ow any foreign application for p	U.S.C. 119/365 of any foreign patent or inventor's certificate	andicatio	n/s) for patent	or inventor's certificate listed
I hereby claim the benefit under 3: Application Number	5 U.S.C. §119(e) of any United	States provisional application	t betail (e)n	elow.	
I hereby claim the benefit under 3 subject matter of each of the clain U.S.C. 112, I acknowledge the duapplications and the national or Possible 149	ns of this application is not disc ty to disclose material informati	ion as defined in 37 C.F.R. 1			en the filing date of the prior
Prior U.S./PCT Application(s):					Status: patented
Application Serial No.		Day/Month/Year Filed			pending, abandoned
Application Serial No. PGT/GB99/04280		16/12/1999			PENDING
PCTIGB99/04260 hereby declare that all statement betwie; and further that these statement in the statement of the statement is suggested in the statement of the statement is suggested. The statement is suggested in the statement of the stateme	ts made herein of my own know tements were made with the known of the Unit tion 1001 of Title 18 of the Unit tion 1001 of Title 18 of the Unit (703) 816-4000 (to whom all of the my attorneys to prosecute resulting patent: Arthur R. Cratichard G. Besha, 22770; Mark hard, 28009; Duane M. Byers,	16/12/1999 Miedge are true and that all stockledge that willful false stated States Code and that such IXON & VANDERHYE P.C. communications are to be of this application and to transal awford, 25327; Larry S. Nixor E. Nusbaum, 32348; Michael 33363; Jeffry H. Nelson, 30489; Alan M. Kagen	h willful fall, 1100 Nor- lirected), a ct all busin 1, 25640; R I J. Keenar 81; John R 36178: Will	e statements the Glebe Rd., not the followings in the Pate obert A. Vande, 32106; Bryan Lastova, 331	PENDING mation and belief are believed to made are punishable by fine or may jeopardize the validity of the 8th Floor, Arlington, VA ng attorneys thereof (of the same ent and Trademark Office erhye, 27076, James T. Hosmer, n. H. Davidson, 30251; Stanley C. 49; H. Warren Burnam, Jr. 29366, 31260; Robert A. Molan, 29834;
PCT/GB99/04260 I hereby declare that all statement bethue; and further that these statements are supplication or any patent issued to 22201-4714, telephone number address) individually and collective confected therewith and with the 30184; Robert W. Faris, 31352; F. Spøner, 27393; Leonard C. Mike Thomas E. Byrne, 32205; Mary J. B. Sadoff, 36663; James D. Berner, 2018 (1998).	ts made herein of my own know tements were made with the known of the Unit tion 1001 of Title 18 of the Unit tion 1001 of Title 18 of the Unit (703) 816-4000 (to whom all of the my attorneys to prosecute resulting patent: Arthur R. Cratichard G. Besha, 22770; Mark hard, 28009; Duane M. Byers,	16/12/1999 Miedge are true and that all stockledge that willful false stated States Code and that such IXON & VANDERHYE P.C. communications are to be of this application and to transal awford, 25327; Larry S. Nixor E. Nusbaum, 32348; Michael 33363; Jeffry H. Nelson, 30489; Alan M. Kagen	h willful fall, 1100 Nor- lirected), a ct all busin 1, 25640; R I J. Keenar 81; John R 36178: Will	e statements the Glebe Rd., not the followings in the Pate obert A. Vande, 32106; Bryan Lastova, 331	PENDING rection and belief are believed to anade are punishable by fine or may jeopardize the validity of the 8th Floor, Arlington, VA. Ing altomeys thereof (of the same ant and Trademark Office erhye, 27076, James T. Hosmer, H. Davidson, 30251; Stanley C. 49; H. Warren Burnam, Jr. 29366; 31250; Robert A. Molan, 29834; 1090; Michelle N. Lester, 32331.
PCT/GB99/04280 I hereby declare that all statement bethue; and further that these statements are supplication or any patent issued to 22201-4714, telephone number address) individually and collective conjected therewith and with the 30184; Robert W. Faris, 31352; F. Spøner, 27393; Leonard C. Mike Thomas E. Byrne, 32205; Mary J. B. Sadoff, 36663; James D. Bethus Sandoff, 36664; James D. Bethus Sandoff, 366664; James D. Bethus Sandoff, 366664;	ts made herein of my own know tements were made with the known of the Unit hereon. And I hereby appoint I (703) 816-4000 (to whom all of rely my attorneys to prosecute I resulting patent: Arthur R. Cratichard G. Besha, 22770; Mark hard, 28009; Duane M. Byers, Wilson, 32955; J. Scott David requist, 34776; Updeep S. Gill,	Miedge are true and that all showledge that willful false stated States Code and that such IXON & VANDERHYE P.C. communications are to be of this application and to transal awford, 25327; Larry S. Nixor E. Nusbaum, 32348; Michael 33363; Jeffry H. Nelson, 304 son, 33489; Alan M. Kagen, 37334; Michael J. Shea, 3475	h willful fall, 1100 Nor- lirected), a ct all busin 1, 25640; R I J. Keenar 81; John R 36178: Will	e statements the Glebe Rd., and the followings in the Patropert A. Vanda, 32106; Bryan Lastova, 331 am J. Griffin, L. Jackson, 4	PENDING rection and belief are believed to made are punishable by fine or may jeopardize the validity of the 8th Floor, Arlington, VA. Ing altomeys thereof (of the same ant and Trademark Office erhye, 27076, James T. Hosmer, H. Davidson, 30251; Stanley C. 49; H. Warren Burnam, Jr. 29366; 31260; Robert A. Molan, 29834; 1090; Michelle N. Lester, 32331.
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PCTIGB99/04280 I hereby declare that all statement behale; and further that these statements are supplication or any patent issued to 22201-4714, telephone number address) individually and collective confected therewith and with the 30°644, Robert W. Faris, 31352; F. Speoner, 27393; Leonard C. Milco Thomas E. Byrne, 32205; Mary J. B. Sadoff, 36863; James D. Bettin and the supplication of the supplied of the su	ts made herein of my own know tements were made with the known tion 1001 of Title 18 of the Unit hereon. And I hereby appoint I (703) 816-4000 (to whom all of ely my attorneys to prosecute resulting patent: Arthur R. Critichard G. Besha, 22770; Mark hard, 29009; Duane M. Byers, Wilson, 32955; J. Scott David irquist, 34776; Updeep S. Gill, Timothy (first) Peterborough	Miledge are true and that all showledge that willful false stated States Code and that such IXON & VANDERHYE P.C. this application and to transal awford, 25327; Larry S. Nixon E. Nusbaum, 32348; Michael 33363; Jeffry H. Nelson, 304 son, 33489; Alan M. Kagen, 37334; Michael J. Shea, 347; M. M. Miledge, Cartely and Car	ilrected), a the willful falls, 1100 North litracted), a ct all busines, 25640; R I J. Keenar 81; John R 36178; Will 25; Donald COKER (last) ountry)	e statements th Glebe Rd., nd the following ass in the Pate obert A. Vand 1, 32106; Brya Lastova, 331 iam J. Griffin L. Jackson, 4 Date:	PENDING mation and belief are believed to made are punishable by fine or may jeopardize the validity of the 8th Floor, Arlington, VA ng attorneys thereof (of the same and Trademark Office erhye, 27076; James T. Hosmer, n. H. Davidson, 30251; Stanley C. 49; H. Warren Burnam, Jr. 29366; 31260; Robert A. Molan, 29834; 1090; Michelle N. Lester, 32331.* GB (cilizenship)
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FOR ADDITIONAL INVENTORS, check box 🔯 and attach sheet with same information and signature and date for each.



As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (If only one name is listed below) or an original, first and joint inventor (If plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

am the original, first and sole inverted (if only the hand is sought on the Invention entitled: subject matter which is claimed and for which a patent is sought on the Invention entitled:									
		Woditied Metauted Bit Lists	es for Displaying	Grey Levels on C	ptical Arrays				
the specificat	ion of which (check a	plicable box(*)):							
is attac	thed hereto		as U.S. Applica	Hon Serial No					
☐ was file	ed on		PCT/GB99/042		n 16/12/19	99 /			
Ø was file	ed as PCT Internations	el application No.		200 >	100.10.10				
and (if applica	able to U.S. or PCT ap	plication) was amended on	05/01/2001						
amendment r 37 C.F.R. 1.5 below and ha priority is clair Priority Forel	referred to above. I ac 58. I hereby claim fore ave also identified belo imed or, if no priority is gn Application(s):	and understand the contents knowledge the duty to disclos- lign priority benefits under 35 w any foreign application for p is claimed, before the filing dat	U.S.C. 119/365 of patent or inventor's	any foreign applica certificate having	tion(e) for nat	ent or inventor's certificate listed efore that of the application on which Day/Month/Year Filled			
Application 9827944.1			GB.			19/12/1998			
Application I hareby clair subject matures of 2 412	m the benefit under 35	U.S.C. 120/385 of all pnor U	nited States and P closed in such prio	CT International ap	plications liste	ed above or below and, insofar as the ilded by the first paragraph of 35 tween the filing date of the prior			
3.22						Status: patented			
Prior U.S./P Application	CT Application(s): Serial No.		Day/Month/Year	Filed		pending, abandoned			
PCTGB99/0	04260		16/12/1999			PENDING			
I negaby decide the property of the property o	tare that all statement further that these state of the control of	ements were made with the kilon 1001 of Title 18 of the Unitereon. And I hereby appoint 703) 816-4000 (to whom all ely my attorneys to prosecute resulting patent: Arthur R. Crichard G. Besha, 22770; Markard, 29009; Duane M. Byers, Wilson, 32955; J. Scott David quist, 34276; Updeep S. Gill, Timplhy (first)	ted States Code a NIXON & VANDE! communications this application an awford, 25327; Late E. Nusbaum, 323 33363; Jeffry H. Nusbaum, 323 480, March 2018,	nd that such willful RHYE P.C., 1100 hare to be directed to transact all burry S. Nixon, 25644.48; Michael J. Kesleison, 30481; John M. Kagen, 36178; Shes, 34725; Don COKER	faise stateme forth Gleba R I), and the folk siness in the f I: Robert A. V. nan, 32108; B n R. Lastova, William J. Grif ald L. Jacksor	formation and belief are believed to so made are punishable by fine or only leopardize the validity of the lowing attorneys thereof (of the same Patent and Trademark Office anderhye, 27076; James T. Hosmer, sryan H. Davidson, 30251; Stanley C. 33149; H. Warren Burnam, Jr. 29368; fin, 31260; Robert A. Molan, 29834; h. 41090; Michelle N. Lester, 32331.			
R	tesidence: (city)	Maidstone GBX		(state/country)	_GB				
	ost Office Address:	Hillfield Cottage, Salts Lane	Loose						
	(Zip Code)	ME15 0BD							
					Da	ite:			
	ventor's Signature:	satisti -	· A	CROS	SLAND	GB			
lr	nventar.	Willam	Mi		ast)	(cilizenship)			
_	haaidaaaa /albib	(first)	IVII	(state/country)					
	Residence: (clty)	Cambridge Unviersity of Cambridge, En	nnineering Departr			ridge			
۲	ost Office Address: (Zip Code)	CB2 1PZ	ign. John g Depart						
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FOR ADDITIONAL INVENTORS, check box 🔯 and attach sheet with same information and signature and date for each.